

#13

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OCT 10 2000

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/404,979

DATE: 09/22/2000
 TIME: 12:19:51

Input Set : A:\GENAPP.002RA.txt
 Output Set: N:\CRF3\09222000\I404979.raw

TECH CENTER 1600/2900

ENTERED

4 <110> APPLICANT: Genetic Applications LLC
 5 Gopal, T. Venkat
 7 <120> TITLE OF INVENTION: Peptide-Mediated Gene Transfer
 10 <130> FILE REFERENCE: GENAPP.002RA
 12 <140> CURRENT APPLICATION NUMBER: US 09/404,979
 13 <141> CURRENT FILING DATE: 1999-09-22
 15 <160> NUMBER OF SEQ ID NOS: 56
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 5
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Yeast
 24 <400> SEQUENCE: 1
 25 Lys Ile Pro Ile Lys
 26 1 5
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 12
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Yeast
 34 <400> SEQUENCE: 2
 35 Val Arg Ile Leu Glu Ser Trp Phe Ala Lys Asn Ile
 36 1 5 10
 39 <210> SEQ ID NO: 3
 40 <211> LENGTH: 7
 41 <212> TYPE: PRT
 42 <213> ORGANISM: SV40
 44 <400> SEQUENCE: 3
 45 Pro Lys Lys Lys Arg Lys Val
 46 1 5
 49 <210> SEQ ID NO: 4
 50 <211> LENGTH: 10
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Influenza virus
 54 <400> SEQUENCE: 4
 55 Ala Ala Phe Glu Asp Leu Arg Val Arg Ser
 56 1 5 10
 59 <210> SEQ ID NO: 5
 60 <211> LENGTH: 4
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Yeast
 64 <400> SEQUENCE: 5
 65 Pro Arg Lys Arg
 66 1
 69 <210> SEQ ID NO: 6
 70 <211> LENGTH: 9
 71 <212> TYPE: PRT
 72 <213> ORGANISM: Polyoma virus

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74 <400> SEQUENCE: 6
 75 Val Ser Arg Lys Arg Pro Arg Pro Ala
 76 1 5
 79 <210> SEQ ID NO: 7
 80 <211> LENGTH: 6
 81 <212> TYPE: PRT
 82 <213> ORGANISM: SV40
 84 <400> SEQUENCE: 7
 85 Ala Pro Thr Lys Arg Lys
 86 1 5
 89 <210> SEQ ID NO: 8
 90 <211> LENGTH: 5
 91 <212> TYPE: PRT
 92 <213> ORGANISM: Adenovirus
 94 <400> SEQUENCE: 8
 95 Lys Arg Pro Arg Pro
 96 1 5
 99 <210> SEQ ID NO: 9
 100 <211> LENGTH: 7
 101 <212> TYPE: PRT
 102 <213> ORGANISM: SV40
 104 <400> SEQUENCE: 9
 105 Pro Asn Lys Lys Lys Arg Lys
 106 1 5
 109 <210> SEQ ID NO: 10
 110 <211> LENGTH: 17
 111 <212> TYPE: PRT
 112 <213> ORGANISM: Frog
 114 <400> SEQUENCE: 10
 115 Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys Leu
 116 1 5 10 15
 117 Asp
 121 <210> SEQ ID NO: 11
 122 <211> LENGTH: 5
 123 <212> TYPE: PRT
 124 <213> ORGANISM: Rat
 126 <400> SEQUENCE: 11
 127 Lys Lys Lys Ile Lys
 128 1 5
 131 <210> SEQ ID NO: 12
 132 <211> LENGTH: 19
 133 <212> TYPE: PRT
 134 <213> ORGANISM: Monkey
 136 <400> SEQUENCE: 12
 137 Arg Val Thr Ile Arg Thr Val Arg Arg Pro Pro Lys Gly Lys
 138 1 5 10 15
 139 His Arg Lys
 143 <210> SEQ ID NO: 13
 144 <211> LENGTH: 7

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145 <212> TYPE: PRT
146 <213> ORGANISM: Yeast
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149 Gly Lys Lys Arg Ser Lys Ala
150 1 5
153 <210> SEQ ID NO: 14
154 <211> LENGTH: 7
155 <212> TYPE: PRT
156 <213> ORGANISM: Chicken
158 <400> SEQUENCE: 14
159 Gly Lys Lys Arg Ser Lys Ala
160 1 5
163 <210> SEQ ID NO: 15
164 <211> LENGTH: 5
165 <212> TYPE: PRT
166 <213> ORGANISM: Influenza
168 <400> SEQUENCE: 15
169 Asp Arg Leu Arg Arg
170 1 5
173 <210> SEQ ID NO: 16
174 <211> LENGTH: 6
175 <212> TYPE: PRT
176 <213> ORGANISM: Influenza
178 <400> SEQUENCE: 16
179 Pro Lys Gln Lys Arg Lys
180 1 5
183 <210> SEQ ID NO: 17
184 <211> LENGTH: 7
185 <212> TYPE: PRT
186 <213> ORGANISM: Frog
188 <400> SEQUENCE: 17
189 Val Arg Lys Lys Arg Lys Thr
190 1 5
193 <210> SEQ ID NO: 18
194 <211> LENGTH: 7
195 <212> TYPE: PRT
196 <213> ORGANISM: Frog
198 <400> SEQUENCE: 18
199 Ala Lys Lys Ser Lys Gln Glu
200 1 5
203 <210> SEQ ID NO: 19
204 <211> LENGTH: 9
205 <212> TYPE: PRT
206 <213> ORGANISM: Human
208 <400> SEQUENCE: 19
209 Pro Ala Ala Lys Arg Val Lys Leu Asp
210 1 5
213 <210> SEQ ID NO: 20
214 <211> LENGTH: 10

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Input Set : A:\GENAPP.002RA.txt
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216 <213> ORGANISM: Human
218 <400> SEQUENCE: 20
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220 1 5 10
223 <210> SEQ ID NO: 21
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: Human
228 <400> SEQUENCE: 21
229 Thr Lys Lys Arg Lys Leu Glu
230 1 5
233 <210> SEQ ID NO: 22
234 <211> LENGTH: 7
235 <212> TYPE: PRT
236 <213> ORGANISM: HTLV-1
238 <400> SEQUENCE: 22
239 Pro Lys Thr Arg Arg Arg Pro
240 1 5
243 <210> SEQ ID NO: 23
244 <211> LENGTH: 7
245 <212> TYPE: PRT
246 <213> ORGANISM: HTLV-1
248 <400> SEQUENCE: 23
249 Ser Gln Arg Lys Arg Pro Pro
250 1 5
253 <210> SEQ ID NO: 24
254 <211> LENGTH: 11
255 <212> TYPE: PRT
256 <213> ORGANISM: Adenovirus
258 <400> SEQUENCE: 24
259 Arg Leu Pro Val Arg Arg Arg Arg Val Pro
260 1 5 10
263 <210> SEQ ID NO: 25
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265 <212> TYPE: PRT
266 <213> ORGANISM: HIV-1
268 <400> SEQUENCE: 25
269 Gly Arg Lys Lys Arg
270 1 5
273 <210> SEQ ID NO: 26
274 <211> LENGTH: 13
275 <212> TYPE: PRT
276 <213> ORGANISM: Frog
278 <400> SEQUENCE: 26
279 Val Arg Thr Thr Lys Gly Lys Arg Lys Arg Ile Asp Val
280 1 5 10
283 <210> SEQ ID NO: 27
284 <211> LENGTH: 5

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Input Set : A:\GENAPP.002RA.txt
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286 <213> ORGANISM: Rabbit
288 <400> SEQUENCE: 27
289 Arg Lys Phe Lys Lys
290 1 5
293 <210> SEQ ID NO: 28
294 <211> LENGTH: 8
295 <212> TYPE: PRT
296 <213> ORGANISM: HIV-1
298 <400> SEQUENCE: 28
299 Arg Arg Asn Arg Arg Arg Arg Trp
300 1 5
303 <210> SEQ ID NO: 29
304 <211> LENGTH: 15
305 <212> TYPE: PRT
306 <213> ORGANISM: Human
308 <400> SEQUENCE: 29
309 Pro Arg Ser Gly Lys Lys Arg Lys Arg Lys Arg Leu Lys Pro Thr
310 1 5 10 15
313 <210> SEQ ID NO: 30
314 <211> LENGTH: 12
315 <212> TYPE: PRT
316 <213> ORGANISM: Mouse
318 <400> SEQUENCE: 30
319 Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
320 1 5 10
323 <210> SEQ ID NO: 31
324 <211> LENGTH: 5
325 <212> TYPE: PRT
326 <213> ORGANISM: Adenovirus
328 <400> SEQUENCE: 31
329 Pro Pro Lys Lys Arg
330 1 5
333 <210> SEQ ID NO: 32
334 <211> LENGTH: 6
335 <212> TYPE: PRT
336 <213> ORGANISM: Adenovirus
338 <400> SEQUENCE: 32
339 Pro Lys Lys Lys Lys Lys
340 1 5
343 <210> SEQ ID NO: 33
344 <211> LENGTH: 9
345 <212> TYPE: PRT
346 <213> ORGANISM: Chicken
348 <400> SEQUENCE: 33
349 Ser Lys Arg Val Ala Lys Arg Lys Leu
350 1 5
353 <210> SEQ ID NO: 34
354 <211> LENGTH: 8

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VERIFICATION SUMMARY

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TIME: 12:19:52

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